III Year-I Semester		L	T	P	C
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Pulse & Digital Circuits Lab(RT31047)

Prerequisite Course:

Need basic idea of Pulse &Digital circuit subject

Course Description and Objectives:

- The students are required to develop the Wave shaping circuits, Multivibrators&sampling gates.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes.

COs	Course Outcomes	POs
1	will be able generate sinusoidal and non-sinusoidal signals	**3**
2	will be able to understand basic logic gates and can design applications	**3**
3	will be able to analyze various multi vibrator circuits	**3**
4	will be able to design non sinusoidal oscillator	**3**

SYLLABUS

1. Linear wave shaping.
2. Non Linear wave shaping – Clippers.
3. Non Linear wave shaping – Clampers.
4. Transistor as a switch.
5. Study of Logic Gates & Some applications.
6. Study of Flip-Flops & some applications.
7. Sampling Gates.
8. Astable Multivibrator.
9. Monostable Multivibrator.
10. Bistable Multivibrator.
11. Schmitt Trigger.
12. UJT Relaxation Oscillator.
13. Bootstrap sweep circuit.

EQUIPMENT REQUIRED FOR LABORATORY:

1. RPS - 0 – 30 V

2. CRO - 0 – 20 M Hz.
3. Function Generators - 0 – 1 M Hz
4. Components
5. Multi Meters